

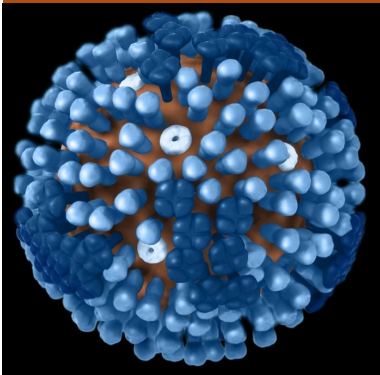
# DAVIS COUNTY INFLUENZA REPORT



2017-18 Influenza Season  
Week 20 / Week Ending 05/19/2018

## SUMMARY

- The 2017-18 influenza season was very severe, when compared to past influenza seasons.
- A total of 202 hospitalized-influenza cases were reported this season.
- The majority of influenza infections this season were due to influenza A (H<sub>3</sub>N<sub>2</sub>).
- Overall, the influenza vaccine's effectiveness was estimated to be 36%.



*Influenza-like Illness (ILI) is defined as fever (temperature of  $\geq 100^{\circ}\text{F}$  [ $37.8^{\circ}\text{C}$ ]), cough, and/or a sore throat without a known cause other than influenza.*

## INFLUENZA ACTIVITY IN DAVIS COUNTY

The 2017-18 influenza season was a very severe influenza season, when compared to past seasons in Davis County (see Figure 1). This may be due to the season's limited vaccine effectiveness. Interim estimates show the vaccine was 25% effective against influenza A (H<sub>3</sub>N<sub>2</sub>), 67% against influenza A (H<sub>1</sub>N<sub>1</sub>), and 42% against influenza B. The season peaked in January 2018 and had a total of 202 hospitalized-influenza cases (see Figure 2).

Figure 1. Hospitalized-Influenza Cases, Davis County, 2009-18

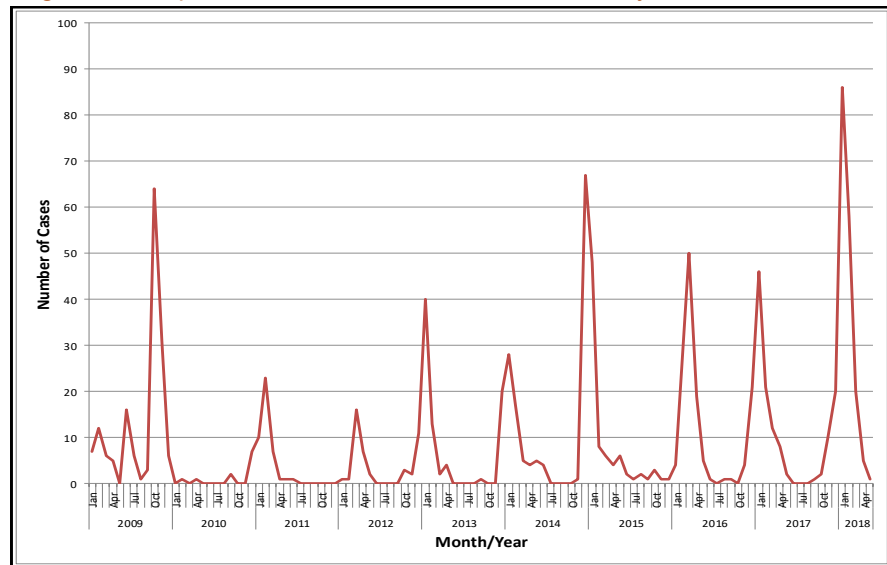
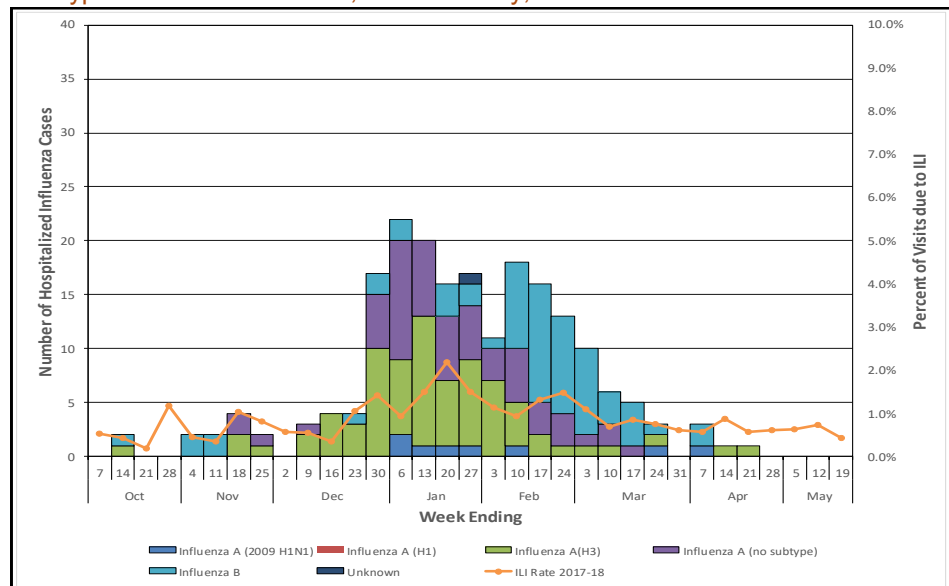


Figure 2. Influenza-Like Illness Visit Rates & Hospitalized-Influenza Cases, by subtype and admission date, Davis County, 2017-18



## INFLUENZA ACTIVITY IN UTAH

Utah's influenza rate continued at a *minimal* level during Week 20. Of the reporting local health districts, Davis County and Bear River reported *low/moderate* ILI activity. The school absence rate (5.0) is below the expected rate for this point of the season. One hospitalized-influenza case was reported this week, bringing the season's total to 2,169 cases.

Surveillance data for influenza testing in laboratories across Utah indicate that only three specimens were positive for influenza during Week 20, a decrease from the previous week (9). The majority of positive influenza tests this season were typed as influenza A (see Table 1).

Table 1. Influenza Positive Specimens Tested by Utah Laboratories, 2017-18

Positive Specimens by Type/Subtype	Current Week		Season-to-Date	
	Number	%	Number	%
Influenza A (2009 H1N1)	1	33.3%	421	4.0%
Influenza A (H1)	0	0.0%	1	0.0%
Influenza A (H3)	0	0.0%	2,391	22.5%
Influenza A (no subtype)	1	33.3%	4,099	38.6%
Influenza B	1	33.3%	3,720	35.0%
<b>Total</b>	<b>3</b>		<b>10,632</b>	

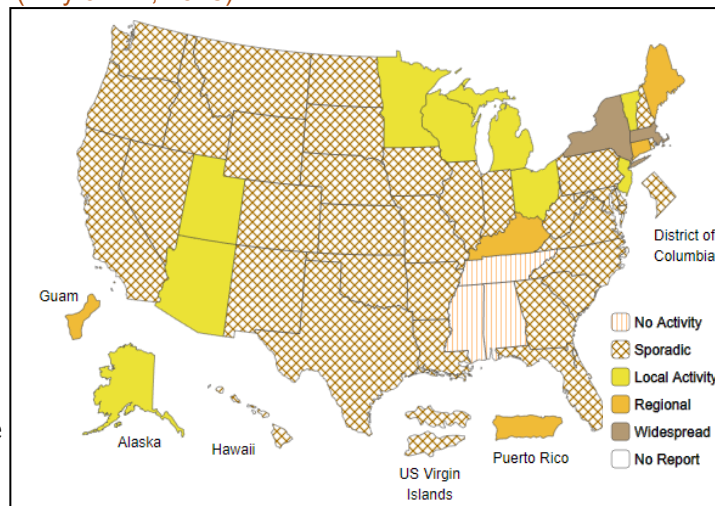
## INFLUENZA ACTIVITY IN THE UNITED STATES

Influenza activity continues to drop across the United States. In Week 19, two states reported *widespread* activity, three states reported *regional* activity, nine states reported *local* activity (including Utah), 33 states reported *sporadic* activity, and three states reported no activity (see Figure 3).

Collaborating clinical laboratories across the United States reported that 3.9% of respiratory specimens tested were positive for influenza in Week 19, a decrease from the week before (6.5%). Of those, 29.5% were typed as influenza A and 70.5% as influenza B.

CDC characterized 2,081 influenza viruses collected by laboratories across the United States since October 1, 2017. Of these, 98.1% were similar to their respective components in the 2017-18 vaccine. CDC also continues to test samples for resistance against neuraminidase inhibitors such as oseltamivir, zanamivir, and peramivir. Eleven of 1,098 (1.0%) viruses of influenza A (H<sub>1</sub>N<sub>1</sub>) were resistant to oseltamivir and peramivir. Antiviral treatment is recommended as early as possible for patients with severe illness or who require hospitalization.

Figure 4. Weekly Influenza Activity Estimates, Week 19 (May 6 - 12, 2018)



## VACCINE INFORMATION

CDC recommends that all persons older than 6 months of age receive an influenza vaccine.

Flu shots are available at Davis County Health Department at no out-of-pocket cost for those *with* contracted health insurance.

For those *without* insurance:

- Adults (18+ years) can receive the flu shot for \$30.
- Seniors (65+ years) can receive high-dose Fluzone® for \$42.
- Children and adolescents (< 18 years) can receive the vaccine for a \$5 fee.

For updates call Immunizations Hotline at (801) 525-5030.



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